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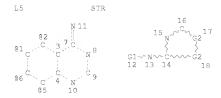
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This file contains CAS Registry Numbers for easy and accurate substance identification. $\,$

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ARGMER 1 OF 2 MCARLES CORPAIGHT 2008 ACS on STH
2005;409312 MCSPAGE
12(189739
PEpparktion of quinatoline amalogs as type I receptor tyrosine kinase
Mallaco, Ell; Papalow, George; Lyssikatos, Joseph; Buckmelter, Alexandre;
Thoo. Chan
The Act Aggs. Publ., 31 pp.
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1N2006PA01767

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PRAI 2003US-0642440

2004US-951718P

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AB The title compds. I |A group is bonded to at least one of the carbons at the S, 6, 7 or 8 position of the bicyclic ring, and the ring is

LII AMSMER 2 OF 2 MCAPEUS COFFRIGHT 2008 ACS on STM AS 2005:16(43)9 MCAPEUS AS U.S. Pat. Appl. Publ., 46 pp., Cont.-in-part of U.S. Ser. No. 642,440. CODEN: USXXCO KIND DATE APPLICATION NO. PI US2005043334 US2005101616 PRAI 2003US-0642440 2004US-951718P OS MARPAT 142:240462 A1 20050224 A1 20050512 A2 20030814 P 20040310 20040810 20030814 <--2004US-0914974 2003US-0642440

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(preparation of quinaroline analogs as type I receptor tyrosine kinase inhibitors for treating hyperproliferative diseases such as cancer; RM 83184-5-5-8 RXAPUS CM 4.6-Quinarolinedianine, Na-[3-chloro-4-(3-fluorophenyl)methoxyjphenyl]-N6-(3-methyl-2-oxarolidinylidene) - (CA INDEX NAME)

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-9 ECADLUS zolinedianine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyl)-N4-(3-[(2-methyl-6-benzoxazolyl)oxy|phenyl)- (CA INDEX NAME)

inediamine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyl)-N4-[3--nethyl-5-benzothiazolyl)oxy[phenyl]- (CA INDEX NAME)

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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN

937263-30-4 MCAPLUS 4,6-Quinarolinedianine, N6-(4,5-dihydro-4,4-dimethyl-2-oxarolyl)=N4-{3-methyl-6-(6-quinolinyloxy)phenyl|- (CA INDEX NAME)

937263-31-5 MCAPLUS 4.6-Quinazolinediamine. N6-(4.5-dihydro-6.4-dimethyl-2-oxazolyi)-N4-(4-(7-izoquinolinyloxy)-3-methylphenyl)- (CA INDEX NAME)

uluos inamine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyl)-N4-(3-lolinyloxy)phonyl|- (CA INDEX NAME)

RN 937263-33-7 HCAPLUS
CN 4,6-Quinazolinediamine, N4-(4-(6-benzothiazolyloxy)-3-methylphenyl)-N6-

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued) (4,5-dihydro-4,4-dimethyl-2-oxamolyl) (CA INDEX NAME)

PN 937263-34-8 BCAPLUS
CN 4.6-@uinarolinediamine, N6-(4,5-dihydro-4,6-dimethyl-2-oxarolyl)-N4-(3-methyl-4-(1,2,4-triarol)4,3-a)pyridin-7-yloxy)phenyl|- (CA INDEX NAME)

RN 937383-37-1 RCAPAUS CN 4.6-Quinarolinediamine, N6-(4,5-dihydro-4,4-dimethyl-2-oxarolyl)-N6-[4-di

RN 937263-43-9 BCAPLUS CN 4,6-Quinarolinediamine, N6-(4,5-dihydro-4,4-dimethyl-2-oxarolyl)-N8-[3-methyl-4-([1,2,4]triarolol].5-a|pyridin-7-yloxylphenyl|- (CA INDEX NAME)

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 937263-61-1 HCAPLUS
CN 4,6-Quinacolinedianine, N4-|4-(inidato)2,2-a|pyridin-7-yloxy)-3methylphenyl|-N4-(3-methyl-2-thiarolidinylidene)-, |N6(E)|- (CA INDEX
NAME)

Double bond geometry as shown.

RN 937263-62-2 HCAPLUS
CN 4,6-Quinarolinediamine, N4-|4-(inidaro|3,2-a)pyridin-7-yloxy)-3-methylphenyll-76-(4-methyl-2-thiarolyl)- (CA INDEX NAME)

RN 93763-17-8 HCADLUS
CN 4.6-Quinsolinedanne, R4-(3-chloro-2-fluoro-4-(11,2,4)triarolo(11,5-a)pyridin-7-3loxy;phenyl)-R6-(4,5-dihydro-4,4-dimethyl-2-oxarolyl)- (CA TINEX NASCA

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN (Continued)

RN 937263-45-1 BCAPLUS
CN 4,6-Quinazolinediamine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyl)-N4-[3-mothyl-4-[(3-mothyl-1H-benzimidaxol-5-yl)oxylphenyl]- (CA INDEX NAME)

RN 937263-49-5 HCAPLUS
CN 4.6-Quinacolinedismine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyl)-N4-[3-sethyl-4-(-4-ehyllmidazo[1,2-a]pyridin-7-yl)oxylphenyl] (CA INDEX

RN 937263-50-8 HCAPLUS CN 4,6-Quinacolinediamine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyi)-N4-(4-(inidazoli,2-alpyridin-6-yloxy)-3-methylphenyll- (CA INDEX NAME)

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 200% ACS on STN (Continued

RN 937263-78-0 MCAPJUS 0N 4,6-Quinazolinecidarine, N6-(4,5-dihydro-4,4-dimethyl-2-oxazolyl)-N4-(2-fluoro-3-methyl-4-(1,2,4)triazolo(1,5-a|pyridin-7-yloxy)phenyl)- (CA rwory wase

PN 937263-79-1 MCAPAGS CN 4,6-Quinavolnediamine N6-[(4R)-4,5-dihydro-6-methyl-2-oxazolyll-N4-[2-methyl-4-(1/2,2,4)triazolo(1,5-a)pyridin-7-yloxy)phenyll- (CA INDEX NAME)

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 937263-93-9 ECAPLUS
CN 4.6-Outherclined.amine, N4-[4-(5-benzothiazolyloxy)-3-methylphenyl]-N6
(4.5-dibydro-4.4-disethyl-2-oxazolyl)- (CA INDEX NAME)

PN 937264-33-0 MCAPLUS CN 4,6-Outnarolinediamine, N4-[3-chloro-4-([1,2,4]triazolo[1,5-a]pyridin-7yloxy/phenyll-M-4(4,5-dthydro-4,4-dimethyl-2-oxarolyl)- (CA INDEX NAME)

RN 937264-55-6 NCAPLUS
CN 4,6-Quinarolinedianine, N4-[4-(inidazo[1,2-a]pyridin-7-yloxy)-3-methylphenyl]-N6-2-thiarolyl- (CA INDEX NAME)

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L12 ANGHER 1 OF 1 NCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 937264-82-9 NCAPLUS

N4-Gunarolinediamine, N4-[3-methyl-4-([1,2,4]triazolo[1,5-a]pyridin-7-yloxy)phenyl]-N6-2-thiazolyl- (CA INDEX NAME)

PN 937264-92-1 BCAPLUS CN 4.6-Quinarolinediamine, M4-[3-methyl-4-([1,2,4]triagolo[1,5-a]pyridin-7yloxy)phonyli-M6-6-oka-4-akappro[2.4]hopt-4-on-5-yl- (CA PHDEX NAME)

PN 937265-13-9 HCAPLUS CN 4,6-Quinacolinedamine, N6-[3-methyl-6-[(1-methyl-1M-benzimidazol-5yl)oxy)phemyl]-19-2-thiazolyi- (CN INDEX NAME)

FN 937266-01-8 HCAPLUS
CN 4,6-Quinarolinediamine, N6-(4,5-dihydro-4,4-dimethyl-2-thiarolyl)-N4-[3-methyl-4-([1,2,4]triarolo[1,5-a]pyridim-7-yloxy)phenyl[- (CA INDEX NAME).

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